

63412 CPE
SEARCH REQUEST FORM

U.S. DEPARTMENT OF COMMERCE
 Patent and Trademark Office

Requestor's Name: NIRMAL S. BASI Serial Number: 09/611257
 Date: 3/29/02 Phone: 3089435 Art Unit: 1646
 (M1/10EN) mail room 10601

Search Topic: Mammalian T-Tyre (calcium channel)
 Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

Please search the following 2 subunits of the calcium channel (Tyre)

SEQID NO:5 23-28

Please use patent App# 09/611257
to search sequences.

Commercial + issued patent database

Rush Search Approved
Rusty Kedge Approved
TSPE? Av 1615
rec 23, 25, 26, 28
prot 24, 26, 28

STAFF USE ONLY

| | | |
|-------------------------------|--|---------------------------------------|
| Date completed: <u>4/2/02</u> | Search Site | Vendors |
| Searcher: <u>Shepperson</u> | <input type="checkbox"/> STIC | <input type="checkbox"/> IG Suite |
| Terminal time: _____ | <input type="checkbox"/> CM-1 | <input type="checkbox"/> STN |
| Elapsed time: _____ | <input type="checkbox"/> Pre-S | <input type="checkbox"/> Dialog |
| CPU time: _____ | Type of Search | <input type="checkbox"/> APS |
| Total time: _____ | <input type="checkbox"/> N.A. Sequence | <input type="checkbox"/> Geninfo |
| Number of Searches: _____ | <input type="checkbox"/> A.A. Sequence | <input type="checkbox"/> SDC |
| Number of Databases: _____ | <input type="checkbox"/> Structure | <input type="checkbox"/> DARC/Questel |
| | <input type="checkbox"/> Bibliographic | <input type="checkbox"/> Other |

L2 ANSWER 6 OF 187 MEDLINE DUPLICATE 2
 ACCESSION NUMBER: 2002330621 MEDLINE
 DOCUMENT NUMBER: 22033476 PubMed ID: 12037187
 TITLE: Identification of ***T*** - ***type***
 alphaH Ca²⁺ channels (Ca(v)3.2) in major pelvic
 ganglion neurons.
 AUTHOR: Lee Jung-Ha; Kim Eun-Gi; Park Byong-Gon; Kim Kyoung-Han;
 Cha Seung-Kyu; Kong In Deok; Lee Joong-Woo; Jeong Seong-Woo
 CORPORATE SOURCE: Department of Life Science, Sogang University,
 Shinsu-1Dong, Seoul 121-742, Republic of Korea.
 SOURCE: JOURNAL OF NEUROPHYSIOLOGY, (2002 Jun) 87 (6) 2844-50.
 Journal code: 0375404. ISSN: 0022-3077.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200208
 ENTRY DATE: Entered STN: 20020621
 Last Updated on STN: 20020807
 Entered Medline: 20020806

L2 ANSWER 7 OF 187 MEDLINE DUPLICATE 3
 ACCESSION NUMBER: 2002164418 MEDLINE
 DOCUMENT NUMBER: 21893475 PubMed ID: 11896142
 TITLE: Kurtoxin, a gating modifier of neuronal high- and
 low-threshold Ca channels.
 AUTHOR: Sidach Serguei S; Mintz Isabelle M
 CORPORATE SOURCE: Department of Pharmacology and Experimental Therapeutics,
 Boston University Medical Center, Boston, Massachusetts
 02118, USA.
 CONTRACT NUMBER: R01 NS36794 (NINDS)
 SOURCE: JOURNAL OF NEUROSCIENCE, (2002 Mar 15) 22 (6) 2023-34.
 Journal code: 8102140. ISSN: 1529-2401.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200203
 ENTRY DATE: Entered STN: 20020317
 Last Updated on STN: 20020403
 Entered Medline: 20020327

L2 ANSWER 8 OF 187 MEDLINE
 ACCESSION NUMBER: 2002290786 IN-PROCESS
 DOCUMENT NUMBER: 22007423 PubMed ID: 12011649
 TITLE: Cilnidipine is a novel slow-acting blocker of vascular
 L-type ***calcium*** ***channels*** that does not
 target protein kinase C.
 AUTHOR: Lohn Matthias; Muzzulini Ulf; Essin Kirill; Tsang Suk-Ying;
 Kirsch Torsten; Litteral Jennifer; Waldron Patricia; Conrad
 Heinke; Klugbauer Norbert; Hofmann Franz; Haller Hermann;
 Luft Friedrich C; Huang Yu; Gollasch Maik
 CORPORATE SOURCE: Franz Volhard Clinic, Humboldt University of Berlin,
 Germany.
 SOURCE: JOURNAL OF HYPERTENSION, (2002 May) 20 (5) 885-93.
 Journal code: 8306882. ISSN: 0263-6352.
 PUB. COUNTRY: England; United Kingdom
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals
 ENTRY DATE: Entered STN: 20020529
 Last Updated on STN: 20020529

L2 ANSWER 9 OF 187 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC. DUPLICATE
 4
 ACCESSION NUMBER: 2002:199541 BIOSIS
 DOCUMENT NUMBER: PREV200200199541
 TITLE: Single-channel pharmacology of mibefradil in human native
 T - ***type*** and recombinant Cav3.2
 calcium ***channels***
 AUTHOR(S): Michels, Guido; Matthes, Jan; Handrock, Renate; Kuchinke,
 Ute; Groner, Ferdi; Cribbs, Leanne L.; Pereverzev, Alexey;
 Schneider, Toni; Perez-Reyes, Edward; Herzig, Stefan (1)
 CORPORATE SOURCE: (1) Department of Pharmacology, University of Cologne,
 Gleueler Strasse 24, 50931, Cologne: stefan.herzig@uni-
 koeln.de Germany

SOURCE: Molecular Pharmacology, (March, 2002) Vol. No. 3, pp. 682-694. <http://molpharm.aspetjournals.org/>. print.
ISSN: 0026-895X.
DOCUMENT TYPE: Article
LANGUAGE: English

L2 ANSWER 10 OF 187 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2002:260251 BIOSIS
DOCUMENT NUMBER: PREV200200260251
TITLE: ***alphaH*** mRNA in single skeletal muscle fibres accounts for ***T*** - ***type*** calcium current transient expression during fetal development in mice.
AUTHOR(S): Berthier, Christine; Montell, Arnaud; Lory, Philippe; Strube, Caroline (1)
CORPORATE SOURCE: (1) UMR CNRS 5123, 43 Bd du 11 novembre 1918, Bat R. Dubois, 69622, Villeurbanne Cedex: caroline.strube@univ-lyon1.fr France
SOURCE: Journal of Physiology (Cambridge), (15 March, 2002) Vol. 539, No. 3, pp. 681-691. <http://uk.cambridge.org/journals/p>hy/. print.
ISSN: 0022-3751.
DOCUMENT TYPE: Article
LANGUAGE: English

L2 ANSWER 11 OF 187 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2002:407910 BIOSIS
DOCUMENT NUMBER: PREV200200407910
TITLE: Functional expression in dysgenic myotubes of a ***T*** - ***type*** Ca2+ channel tagged with green fluorescent protein (GFP- ***alphaH***).
AUTHOR(S): Wilkens, Christina M.
SOURCE: Biophysical Journal, (January, 2002) Vol. 82, No. 1 Part 2, pp. 571a-572a. <http://intl.biophysj.org/>. print.
Meeting Info.: 46th Annual Meeting of the Biophysical Society San Francisco, California, USA February 23-27, 2002
ISSN: 0006-3495.
DOCUMENT TYPE: Conference
LANGUAGE: English

L2 ANSWER 12 OF 187 SCISEARCH COPYRIGHT 2002 ISI (R)
ACCESSION NUMBER: 2002:510520 SCISEARCH
THE GENUINE ARTICLE: 562HB
TITLE: Functional and molecular characterization of a ***T*** - ***type*** Ca2+ channel during fetal and postnatal rat heart development
AUTHOR: Ferron L (Reprint); Capuano V; Deroubaix E; Coulombe A; Renaud J F
CORPORATE SOURCE: Hop Marie Lannelongue, Lab Physiol Cardiovasc & Thym, CNRS, ESA 8073, 133 Ave Resistance, F-92350 Le Plessis Robinson, France (Reprint); Hop Marie Lannelongue, Lab Physiol Cardiovasc & Thym, CNRS, ESA 8073, F-92350 Le Plessis Robinson, France
COUNTRY OF AUTHOR: France
SOURCE: JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY, (MAY 2002) Vol. 34, No. 5, pp. 533-546.
Publisher: ACADEMIC PRESS LTD ELSEVIER SCIENCE LTD, 24-28 OVAL RD, LONDON NW1 7DX, ENGLAND.
ISSN: 0022-2828.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 38

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L2 ANSWER 13 OF 187 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2002:368324 BIOSIS
DOCUMENT NUMBER: PREV200200368324
TITLE: ***T*** - ***type*** Ca2+ channel activation contributes to vaso-occlusion of sickled erythrocytes in inflamed lung.
AUTHOR(S): Wu, Songwei (1); Haynes, Johnson, Jr.; Obiako, Boniface; Li, Ming; Stevens, Troy (1)
CORPORATE SOURCE: (1) Department of Pharmacology, University of South Alabama College of Medicine, 307-N. University Blvd., Mobile, AL, 36688 USA
SOURCE: FASEB Journal, (March 20, 2002) Vol. 16, No. 4, pp. A407. <http://www.fasebj.org/>. print.
Meeting Info.: Annual Meeting of the Professional Research

Scientist Experimental Biology New Orleans, Louisiana,
USA April 10-24, 2002
ISSN: 0892-6638.

DOCUMENT TYPE:
LANGUAGE:

Conference
English

L2 ANSWER 14 OF 187

MEDLINE

DUPLICATE 5

ACCESSION NUMBER: 2002058824 MEDLINE
DOCUMENT NUMBER: 21644244 PubMed ID: 11784784
TITLE: Differential inhibition of ***T*** - ***type***
calcium ***channels*** by neuroleptics.
AUTHOR: Santi Celia M; Cayabyab Francisco S; Sutton Kathy G; McRory
John E; Mezeyova Janette; Hamming Kevin S; Parker David;
Stea Anthony; Snutch Terrance P
CORPORATE SOURCE: Biotechnology Laboratory, University of British Columbia,
Vancouver, British Columbia, Canada.
SOURCE: JOURNAL OF NEUROSCIENCE, (2002 Jan 15) 22 (2) 396-403.
Journal code: 8102140. ISSN: 1529-2401.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200201
ENTRY DATE: Entered STN: 20020125
Last Updated on STN: 20020131
Entered Medline: 20020130

L2 ANSWER 15 OF 187

BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2002:286552 BIOSIS
DOCUMENT NUMBER: PREV200200286552
TITLE: Differential discrimination of fast and slow synaptic
waveforms by two low-voltage-activated ***calcium***
channels.
AUTHOR(S): Warre, R. C. H.; McNaughton, N. C. L.; Randall, A. D. (1)
CORPORATE SOURCE: (1) Neurology CEDD, Glaxo SmithKline, New Frontiers Science
Park, Harlow, Essex, CM19 5AW: andrew_d_randall@gsk.com UK
SOURCE: Neuroscience, (12 March, 2002) vol. 110, No. 2, pp.
375-388. <http://www.elsevier.com/locate/neuroscience>.
print.
ISSN: 0306-4522.
DOCUMENT TYPE: Article
LANGUAGE: English

L2 ANSWER 16 OF 187

MEDLINE

DUPLICATE 6

ACCESSION NUMBER: 2002132465 MEDLINE
DOCUMENT NUMBER: 21650785 PubMed ID: 11790804
TITLE: Stimulation of recombinant Ca(v)3.2, ***T*** -
type, Ca(2+) channel currents by CaMKIIgamma(C).
AUTHOR: Wolfe Joshua T; Wang Hongge; Perez-Reyes Edward; Barrett
Paula Q
CORPORATE SOURCE: Department of Pharmacology, University of Virginia School
of Medicine, Charlottesville, VA 22908, USA.
CONTRACT NUMBER: HL07284 (NHLBI)
HL36977 (NHLBI)
SOURCE: JOURNAL OF PHYSIOLOGY, (2002 Jan 15) 538 (Pt 2) 343-55.
Journal code: 0266262. ISSN: 0022-3751.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200204
ENTRY DATE: Entered STN: 20020301
Last Updated on STN: 20020417
Entered Medline: 20020416

L2 ANSWER 17 OF 187

BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2002:381433 BIOSIS
DOCUMENT NUMBER: PREV200200381433
TITLE: Inhibition of transiently expressed low- and
high-voltage-activated ***calcium*** ***channels***
by trivalent metal cations.
AUTHOR(S): Beedle, A. M.; Hamid, J.; Zamponi, G. W. (1)
CORPORATE SOURCE: (1) Department of Physiology and Biophysics, University of
Calgary, 3330 Hospital Dr NW, Calgary: zamponi@ucalgary.ca
Canada
SOURCE: Journal of Membrane Biology, (June 1, 2002) vol. 187, No.
3, pp. 225-238. print.

ISSN: 0022-31.
DOCUMENT TYPE: Article
LANGUAGE: English

L2 ANSWER 18 OF 187 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2002:362749 BIOSIS
DOCUMENT NUMBER: PREV200200362749
TITLE: Effects of auxiliary subunits on charge movement of the
expressed ***alphaLG*** subunit of ***T*** -
type ***calcium*** ***channel*** .
AUTHOR(S): Lacinova, L. (1); Klugbauer, N.; Hofmann, F.
CORPORATE SOURCE: (1) Institute for Molecular Physiology and Genetics,
Vlarska 5, 833 06, Bratislava Slovakia
SOURCE: Pfluegers Archiv European Journal of Physiology, (March,
2002) Vol. 443, No. Supplement 1, pp. A197.
http://link.springer.de/link/service/journals/00424/.
print.
Meeting Info.: 81st Annual Joint Meeting of the
Physiological Society, the Scandinavian Physiological
Society and the German Physiological Society Tuebingen,
Germany March 15-19, 2002
ISSN: 0031-6768.

DOCUMENT TYPE: Conference
LANGUAGE: English

L2 ANSWER 19 OF 187 MEDLINE DUPLICATE 7
ACCESSION NUMBER: 2002394555 IN-PROCESS
DOCUMENT NUMBER: 22086329 PubMed ID: 12091545
TITLE: ***T*** - ***Type*** ***calcium***
channel ***alphaLG*** and ***alphaH***
subunits in human retinoblastoma cells and their loss after
differentiation.
AUTHOR: Hirooka Kazuyuki; Bertolesi Gabriel E; Kelly Melanie E M;
Denovan-Wright Eileen M; Sun Xiaolu; Hamid Jawed; Zamponi
Gerald W; Juhasz Alexander E; Haynes Lawrence W; Barnes
Steven
CORPORATE SOURCE: Department of Physiology and Biophysics, Dalhousie
University, Halifax, Nova Scotia B3H 4H7.
SOURCE: JOURNAL OF NEUROPHYSIOLOGY, (2002 Jul) 88 (1) 196-205.
Journal code: 0375404. ISSN: 0022-3077.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals
ENTRY DATE: Entered STN: 20020730
Last Updated on STN: 20020730

L2 ANSWER 20 OF 187 MEDLINE DUPLICATE 8
ACCESSION NUMBER: 2002383521 IN-PROCESS
DOCUMENT NUMBER: 22054964 PubMed ID: 12060068
TITLE: Developmental expression patterns of ***alphaH***
T - ***type*** Ca2+ channels during
spermatogenesis and organogenesis in mice.
AUTHOR: Son Weon-Young; Han Ching-Tack; Lee Jae-Ho; Jung Kyu-Yong;
Lee Hyoung-Min; Choo Young-Kug
CORPORATE SOURCE: Department of Life Science, Sogang University, Seoul
121-742, Korea.
SOURCE: DEVELOPMENT GROWTH AND DIFFERENTIATION, (2002 Jun) 44 (3)
181-90.
Journal code: 0356504. ISSN: 0012-1592.
PUB. COUNTRY: Japan
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals
ENTRY DATE: Entered STN: 20020723
Last Updated on STN: 20020723

L2 ANSWER 21 OF 187 SCISEARCH COPYRIGHT 2002 ISI (R)
ACCESSION NUMBER: 2002:347473 SCISEARCH
THE GENUINE ARTICLE: 541LR
TITLE: A molecular dynamics study of an L-type ***calcium***
channel model
AUTHOR: Barreiro G; Guimaraes C R W; de Alencastro R B (Reprint)
CORPORATE SOURCE: UFRJ, Inst Quim, Dept Quim Organ, Phys Organ Chem Grp,
Bloco A, Sala 609, Cidade Univ, BR-21949900 Rio De
Janeiro, Brazil (Reprint); UFRJ, Inst Quim, Dept Quim
Organ, Phys Organ Chem Grp, BR-21949900 Rio De Janeiro,

COUNTRY OF AUTHOR: Brazil
SOURCE: PROTEIN ENGINEERING, (FEB 2002) Vol. 15, No. 2, pp. 109-122.
Publisher: OXFORD UNIV PRESS, GREAT CLARENDON ST, OXFORD OX2 6DP, ENGLAND.
ISSN: 0269-2139.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 40
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L2 ANSWER 22 OF 187 MEDLINE
ACCESSION NUMBER: 2002401932 IN-PROCESS
DOCUMENT NUMBER: 22145771 PubMed ID: 12151091
TITLE: Identification of the ***calcium*** ***channel***
alphaE (Ca(v)2.3) isoform expressed in atrial myocytes.
AUTHOR: Mitchell Jennifer W; Larsen Janice K; Best Philip M
CORPORATE SOURCE: Department of Molecular and Integrative Physiology, University of Illinois at Urbana-Champaign, 524 Burrill Hall, MC-114, 407 S. Goodwin Ave., 61801, Urbana, IL, USA.
SOURCE: BIOCHIMICA ET BIOPHYSICA ACTA, (2002 Aug 19) 1577 (1) 17-26.
Journal code: 0217513. ISSN: 0006-3002.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals
ENTRY DATE: Entered STN: 20020802
Last Updated on STN: 20020802

L2 ANSWER 23 OF 187 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2002:286090 BIOSIS
DOCUMENT NUMBER: PREV200200286090
TITLE: Specific contribution of human ****T**** - ****type***
calcium ***channel*** isotypes (***alphaIG***
, ***alphaIH*** and ***alphaII***) to neuronal excitability.
AUTHOR(S): Chemin, Jean; Monteil, Arnaud; Perez-Reyes, Edward; Bourinet, Emmanuel; Nargeot, Joel; Lory, Philippe (1)
CORPORATE SOURCE: (1) Institut de Genetique Humaine (IGH), CNRS UPR 1142, 141, Rue de la Cardonille, F-34396, Montpellier Cedex 05: philippe.lory@igh.cnrs.fr France
SOURCE: Journal of Physiology (Cambridge), (1 April, 2002) Vol. 540, No. 1, pp. 3-14. <http://uk.cambridge.org/journals/phy/> . print.
ISSN: 0022-3751.
DOCUMENT TYPE: Article
LANGUAGE: English

L2 ANSWER 24 OF 187 WPIDS (C) 2002 THOMSON DERWENT DUPLICATE 9
ACCESSION NUMBER: 2001-123111 [13] WPIDS
DOC. NO. NON-CPI: N2001-090367
DOC. NO. CPI: C2001-035782
TITLE: Novel ****T**** - ****type*** ***calcium***
channel alpha-1 subunit gene useful for treating cardiac hypertrophy, cardiac arrhythmia, hypertension, sleep disorder and epilepsy.
DERWENT CLASS: B04 D16 S03
INVENTOR(S): BAILLIE, D L; SNUTCH, T P
PATENT ASSIGNEE(S): (NEUR-N) NEUROMED TECHNOLOGIES INC
COUNTRY COUNT: 25
PATENT INFORMATION:

| PATENT NO | KIND | DATE | WEEK | LA | PG |
|---|------|--------------------|------|-----|----|
| WO 2001002561 | A2 | 20010111 (200113)* | EN | 103 | |
| RW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE | | | | | |
| W: AU CA IL JP NO US | | | | | |
| AU 2000059571 | A | 20010122 (200125) | | | |
| EP 1190053 | A2 | 20020327 (200229) | EN | | |
| R: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE | | | | | |

APPLICATION DETAILS:

| PATENT NO | KIND | APPLICATION | DATE |
|-----------|------|-------------|------|
|-----------|------|-------------|------|

WO 2001002561 A2
AU 2000059571 A
EP 1190053 A2

WO 2000-CA794 20000704
AU 2000-59571 20000704
EP 2000-945479 20000704
WO 2000-CA794 20000704

FILING DETAILS:

| PATENT NO | KIND | PATENT NO |
|---------------|------|--------------|
| AU 2000059571 | A | WO 200102561 |
| EP 1190053 | A2 | WO 200102561 |

PRIORITY APPLN. INFO: US 1999-346794 19990702

L2 ANSWER 25 OF 187 WPIDS (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: 2002-040236 [05] WPIDS
DOC. NO. CPI: C2002-011447
TITLE: New polynucleotide encoding a ***T*** - ***type***
calcium ***channel*** ***alphaI***
subunit variant polypeptide, for screening compounds for
the treatment of pain, and for diagnosis of disease
states associated with pain.
DERWENT CLASS: B04 D16
INVENTOR(S): DIETRICH, P S; MCGIVERN, J G
PATENT ASSIGNEE(S): (SYNT) SYNTEX USA LLC
COUNTRY COUNT: 1
PATENT INFORMATION:

| PATENT NO | KIND | DATE | WEEK | LA | PG |
|------------|------|----------|-----------|----|----|
| US 6309858 | B1 | 20011030 | (200205)* | | 58 |

APPLICATION DETAILS:

| PATENT NO | KIND | APPLICATION | DATE |
|------------|----------------|-----------------|----------|
| US 6309858 | B1 Provisional | US 1998-102222P | 19980929 |
| | | US 1999-404650 | 19990923 |

PRIORITY APPLN. INFO: US 1998-102222P 19980929; US 1999-404650
19990923

L2 ANSWER 26 OF 187 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:319954 CAPLUS
DOCUMENT NUMBER: 134:321626
TITLE: Human ***alphaI*** -c ***T*** - ***type***
calcium ***channel*** and cDNA and their
therapeutic use
INVENTOR(S): Dubin, Adrienne E.; Galindo, Jose E.; Pyati,
Jayashree; Zhu, Jessica Y.; Erlander, Mark G.
PATENT ASSIGNEE(S): Ortho-Mcneil Pharmaceutical, Inc., USA
SOURCE: PCT Int. Appl., 115 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| WO 2001030844 | A1 | 20010503 | WO 2000-US27761 | 20001006 |
| W: | | | | |
| AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, | | | | |
| CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, | | | | |
| HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, | | | | |
| LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, | | | | |
| SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, | | | | |
| ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, | | | | |
| DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, | | | | |
| CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| US 6358706 | B1 | 20020319 | US 1999-426998 | 19991026 |
| EP 1224218 | A1 | 20020724 | EP 2000-968858 | 20001006 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, | | | | |
| IE, SI, LT, LV, FI, RO, MK, CY, AL | | | | |

PRIORITY APPLN. INFO.: US 1999-426998 A 19991026

REFERENCE COUNT:

1

WO 2000-US27761 W 200006
THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 27 OF 187 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2002:149862 BIOSIS
DOCUMENT NUMBER: PREV200200149862
TITLE: Aspartate residues of the Glu-Glu-Asp-Asp (EEDD) pore locus
control selectivity and permeation of the ****T*** -
****type*** Ca2+ channel ****alpha1G***
AUTHOR(S): Talavera, Karel; Staes, Mik; Janssens, Annelies; Klugbauer,
Norbert; Droogmans, Guy; Hofmann, Franz; Nilius, Bernd (1)
CORPORATE SOURCE: (1) Laboratorium voor Fysiologie, Katholieke Universiteit
Leuven, Herestraat 49, Campus Gasthuisberg, B-3000, Leuven:
bernd.nilius@med.kuleuven.ac.be Belgium
SOURCE: Journal of Biological Chemistry, (December 7, 2001) vol.
276, No. 49, pp. 45628-45635. <http://www.jbc.org/>. print.
ISSN: 0021-9258.
DOCUMENT TYPE: Article
LANGUAGE: English

L2 ANSWER 28 OF 187 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2002:99488 BIOSIS
DOCUMENT NUMBER: PREV200200099488
TITLE: Direct inhibition of ****T*** - ****type***
****calcium*** ****channels*** by the endogenous
cannabinoid anandamide.
AUTHOR(S): Chemin, Jean; Monteil, Arnaud; Perez-Reyes, Edward;
Nargeot, Joel; Lory, Philippe (1)
CORPORATE SOURCE: (1) IGH-CNRS UPR, 1142-141 rue de la Cardonille, F-34396,
Montpellier cedex, 05: philippe.lory@igh.cnrs.fr France
SOURCE: EMBO (European Molecular Biology Organization) Journal,
(December 17, 2001) Vol. 20, No. 24, pp. 7033-7040.
<http://www.emboj.org/>. print.
ISSN: 0261-4189.
DOCUMENT TYPE: Article
LANGUAGE: English

L2 ANSWER 29 OF 187 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2001:493195 BIOSIS
DOCUMENT NUMBER: PREV200100493195
TITLE: Aldosterone increases ****T*** - ****type*** calcium
currents in human adrenocarcinoma (H295R) cells by inducing
channel expression.
AUTHOR(S): Lesouhaitier, Olivier; Chiappe, Alberto; Rossier, Michel F.
(1)
CORPORATE SOURCE: (1) Division of Endocrinology and Diabetology, University
Hospital, 24 Rue Micheli-du-Crest, CH-1211, Geneva 14:
rossier@cmu.unige.ch Switzerland
SOURCE: Endocrinology, (October, 2001) Vol. 142, No. 10, pp.
4320-4330. print.
ISSN: 0013-7227.
DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

L2 ANSWER 30 OF 187 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2001:266788 BIOSIS
DOCUMENT NUMBER: PREV200100266788
TITLE: Molecular and functional characterization of a family of
rat brain ****T*** - ****type*** ****calcium***
****channels***
AUTHOR(S): McRory, John E.; Santi, Celia M.; Hamming, Kevin S. C.;
Mezeyova, Janette; Sutton, Kathy G.; Baillie, David L.;
Stea, Anthony; Snutch, Terrance P. (1)
CORPORATE SOURCE: (1) Biotechnology Laboratory, University of British
Columbia, 6174 University Blvd., Rm. 237, Vancouver, BC,
V6T 1Z3: snutch@zoology.ubc.ca Canada
SOURCE: Journal of Biological Chemistry, (February 9, 2001) vol.
276, No. 6, pp. 3999-4011. print.
ISSN: 0021-9258.
DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

L2 ANSWER 31 OF 187 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2001:575464 BIOSIS

DOCUMENT NUMBER: PREV2001005464
TITLE: Recombinant R-type and ***T*** - ***type***
calcium ***channel*** inhibition by lamotrigine
(LTG) and sipatrigine (STG).
AUTHOR(S): Hainsworth, A. H. (1); McNaughton, N. C. L.; Pereverzev,
A.; Schneider, T.; Randall, A. D.
CORPORATE SOURCE: (1) Pharmacology/Pharmacy, De Montfort University,
Leicester UK
SOURCE: Society for Neuroscience Abstracts, (2001) Vol. 27, No. 2,
pp. 2004. print.
Meeting Info.: 31st Annual Meeting of the Society for
Neuroscience San Diego, California, USA November 10-15,
2001
ISSN: 0190-5295.
DOCUMENT TYPE: Conference
LANGUAGE: English
SUMMARY LANGUAGE: English

L2 ANSWER 32 OF 187 MEDLINE DUPLICATE 10
ACCESSION NUMBER: 2001335990 MEDLINE
DOCUMENT NUMBER: 21297142 PubMed ID: 11403683
TITLE: The Cav2.1/ ***alpha1A*** (P/Q-type) voltage-dependent
calcium ***channel*** mediates inhibitory
neurotransmission onto mouse cerebellar Purkinje cells.
AUTHOR: Stephens G J; Morris N P; Fyffe R E; Robertson B
CORPORATE SOURCE: Neuronal Excitability Group, Biochemistry & Biophysics,
Imperial College of Science, Technology & Medicine, London,
SW7 2BZ, UK.. g.stephen@ic.ac.uk
CONTRACT NUMBER: NS25547 (NINDS)
SOURCE: EUROPEAN JOURNAL OF NEUROSCIENCE, (2001 May) 13 (10)
1902-12.
Journal code: 8918110. ISSN: 0953-816X.
PUB. COUNTRY: France
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200108
ENTRY DATE: Entered STN: 20010813
Last Updated on STN: 20010813
Entered Medline: 20010809

L2 ANSWER 33 OF 187 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2001:556557 BIOSIS
DOCUMENT NUMBER: PREV200100556557
TITLE: Block of human ***alpha1G*** ***calcium***
channels by trivalent cations.
AUTHOR(S): Beedle, A. M. (1); Hamid, J. (1); Zamponi, G. W. (1)
CORPORATE SOURCE: (1) Physiology and Biophysics, University of Calgary,
Calgary, AB Canada
SOURCE: Society for Neuroscience Abstracts, (2001) Vol. 27, No. 2,
pp. 1859. print.
Meeting Info.: 31st Annual Meeting of the Society for
Neuroscience San Diego, California, USA November 10-15,
2001
ISSN: 0190-5295.
DOCUMENT TYPE: Conference
LANGUAGE: English
SUMMARY LANGUAGE: English

L2 ANSWER 34 OF 187 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2001:562706 BIOSIS
DOCUMENT NUMBER: PREV200100562706
TITLE: Experience-dependent modification of neuronal firing mode
by transcriptional regulation of a ***T*** - ***type***
Ca2+ channel.
AUTHOR(S): Becker, A. J. (1); Su, H.; Sochivko, D.; Chen, J.; Yaari,
Y.; Beck, H.
CORPORATE SOURCE: (1) Dept. of Neuropathology, Univ. Bonn Medical Ctr., Bonn
Germany
SOURCE: Society for Neuroscience Abstracts, (2001) Vol. 27, No. 2,
pp. 1858. print.
Meeting Info.: 31st Annual Meeting of the Society for
Neuroscience San Diego, California, USA November 10-15,
2001
ISSN: 0190-5295.
DOCUMENT TYPE: Conference
LANGUAGE: English

SUMMARY LANGUAGE: English

L2 ANSWER 35 OF 187 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2001:562700 BIOSIS

DOCUMENT NUMBER: PREV200100562700

TITLE: Neuronal ****T*** - ****type*** ***calcium***
****channel*** kinetics and burst firing.

AUTHOR(S): Neubig, M. T. (1); Sejnowski, T. J. (1)

CORPORATE SOURCE: (1) Computational Neurobiology Lab, Salk Institute, La Jolla, CA USA

SOURCE: Society for Neuroscience Abstracts, (2001) Vol. 27, No. 2, pp. 1857. print.

Meeting Info.: 31st Annual Meeting of the Society for Neuroscience San Diego, California, USA November 10-15, 2001

ISSN: 0190-5295.

DOCUMENT TYPE: Conference

LANGUAGE: English

SUMMARY LANGUAGE: English

L2 ANSWER 36 OF 187 MEDLINE DUPLICATE 11

ACCESSION NUMBER: 2002138018 MEDLINE

DOCUMENT NUMBER: 21850283 PubMed ID: 11860462

TITLE: The ***alphiI*** ****T*** - ****type***
****calcium*** ****channel*** exhibits faster gating properties when overexpressed in neuroblastoma/glioma NG 108-15 cells.

AUTHOR: Chemin J; Monteil A; Dubel S; Nargeot J; Lory P

CORPORATE SOURCE: IGH-CNRS UPR 1142-141, rue de la Cardonille, F-34396 Montpellier cedex 05, France.

SOURCE: EUROPEAN JOURNAL OF NEUROSCIENCE, (2001 Nov) 14 (10) 1678-86.

Journal code: 8918110. ISSN: 0953-816X.

PUB. COUNTRY: France

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200204

ENTRY DATE: Entered STN: 20020305

Last Updated on STN: 20020424

Entered Medline: 20020423

L2 ANSWER 37 OF 187 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2001:548123 BIOSIS

DOCUMENT NUMBER: PREV200100548123

TITLE: Expression of voltage-gated ***calcium***
****channels*** in cultured astrocytes.

AUTHOR(S): Latour, I. (1); Hamid, J. (1); Macvicar, B. A. (1);

Zamponi, G. W. (1)

CORPORATE SOURCE: (1) Neuroscience Research Group, Univ Calgary, Calgary, AB Canada

SOURCE: Society for Neuroscience Abstracts, (2001) Vol. 27, No. 2, pp. 1601. print.

Meeting Info.: 31st Annual Meeting of the Society for Neuroscience San Diego, California, USA November 10-15, 2001

ISSN: 0190-5295.

DOCUMENT TYPE: Conference

LANGUAGE: English

SUMMARY LANGUAGE: English

L2 ANSWER 38 OF 187 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2001:184539 BIOSIS

DOCUMENT NUMBER: PREV200100184539

TITLE: Direct inhibition of expressed cardiac L- and ****T*** -
****type*** ****calcium*** ****channels*** by IgG from mothers whose children have congenital heart block.

AUTHOR(S): Xiao, Guang-Qian; Hu, Keli; Boutjdir, Mohamed (1)

CORPORATE SOURCE: (1) R and D Office (151), Molecular and Cellular Cardiology Program, New York Harbor Healthcare System, 800 Poly Place, Brooklyn, NY, 11209: mohamed.boutjdir@med.va.gov USA

SOURCE: Circulation, (March 20, 2001) Vol. 103, No. 11, pp. 1599-1604. print.

ISSN: 0009-7322.

DOCUMENT TYPE: Article

LANGUAGE: English

SUMMARY LANGUAGE: English